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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,851	12/28/2001	John N. Kesler	30826-1001	2797
5179 7590 12/19/2003		EXAMINER		
PEACOCK MYERS AND ADAMS P C P O BOX 26927			VEILLARD, JACQUES	
ALBUQUERQUE, NM 871256927			ART UNIT	PAPER NUMBER
,		·	2175	
			DATE MAILED: 12/19/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.     Examiner     Art Unit							
Examiner  Jacques Veillard  ART Unit  Jacques Veillard  Jacques Veillard  ART Unit  Jacques Veillard  Jacques Veillard  ART Unit  Jacques Veillard  Jacques Veillard  Jacques Veillard  ART Unit  Jacques Veillard  Jacques Veillard  Jacques Veillard  ART Unit  Jacques Veillard  Jacque			Application No.	Applicant(s)			
Jacques Veillard  - The MALLING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Esternized the time rule te ensisting under the prosisions of 3 CPR 1.135(a). In no event, however, may a reply be timely filled  Esternized for may be specified above is less than thirty (80) days, an apply within the statulory minimum of thirty (20) days will be considered timely.  If the period for may is specified shows the maximum studiety period all large and well explicits (3) MONTH's from the mailing date of this communication.  If the period for may is specified above is less than they (80) days, and poly days will be considered timely.  If the period for may is specified shows the maximum studiety period all large and well explicits (3) MONTH's from the mailing date of this communication.  If the period for may is specified and the production of this communication, even if timely filed, may reduce any session application is filled to a 28 December 2001.  29 This action is FINAL.  20 Month and the production of Claims  4) Claim(s) 1.21 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 1.21 is/are rejected.  7) Claim(s) is/are objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a)	۸,		10/040,851	KESLER, JOHN N.			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Educations of the map be enabled used the provision of 3° CFR 1.13(6). In no event, however, may a reply be timely filed  Education for map by sended used the feature of 3° CFR 1.13(6). In no event, however, may a reply be timely filed  Education for reply segorified above is listed be than their (30) days, a reply value in the studiory minimum of their (30) days will be considered limitely.  If the paced for reply segorified above, it is maken in studiory principal days and vill going stock (30)-MCMT for the maining date of this communication.  Falsies to reply value in the sat or extended preliation for reply will, by startic, cause the application to become AAANTCORED (38 U.S. 2 st 13).  Responsive to communication(s) filled on 28 December 2001.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex partle Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1:22 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 1:22 is/are rejected.  7) Claim(s) is/are allowed.  8) Claim(s) 1:22 is/are rejected to extriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The crawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) so objected to See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Not		Office Action Summary	Examiner	Art Unit			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of lines may be available under the provisions of 37 CFR 1.35(s), in no event, however, may a reply be timely filled.  Extensions of lines may be available under the provisions of 37 CFR 1.35(s), in no event, however, may a reply be timely filled.  Extensions of lines may be available under the provisions of 37 CFR 1.35(s), in no event, however, may a reply be timely filled.  Extensions of lines may be available under the provisions of 37 CFR 1.35(s), in no event, however, may a reply be timely filled.  Extensions of lines may be available under the provisions of 37 CFR 1.35(s), in no event, however, may a reply be timely filled.  If the period for reply is specified above, the markenin statutory period will apply and vill apply and vill apply and vill apply and the statutory minimum of thirty (30) days will be considered limited.  If the period for reply is specified above, the markenin statutory period vill apply will only some account of the statutory will be considered limited.  Failure to reply within the soft contamination and the statutory will be considered limited.  Provided the second statutory will be subjected to the markenin statutory will be considered limited.  Provided the second statutory will be subjected to the markenin statutory will be considered limited.  1) Extension of Claims  Application of Claims  Application of Claims  Glaim(s)			<u> </u>				
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#### **DETAILED ACTION**

- 1. This action is responsive to the Applicant's communication filed on 12/28/2001.
- 2. Claims 1-21 are pending and presented for examination.
- 3. Claims 1, 8, and 15 are the independent claims. Other claims are the dependent.

## Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 12/28/2001 (Paper No.4) is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

## Claim Rejections - 35 USC § 102

- 5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
  - (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Kaufman, Michael Philip (WO 02/059793 A2, hereinafter Kaufman).

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As per claim 1, Kaufman discloses a similar Computer software for automatically generating a user interface for a relational database (See the title and the abstract). In particular, the Kaufman's software comprising: utility software extracting schema information from the relational database and automatically generating corresponding schema and user interface metadata (See Page 3, lines 5-8, and lines 19-28). Applicant should duly note Kaufman shows that the user interface (UI) is built based on automated interrogation of Relational Database Management System (RDMS). As to a repository for said metadata, it is inherent in Kaufman since the Kaufman's user interface (UI) is designed for large database schema which are repository for storing data as well as metadata; and user interface software automatically developing from the metadata a user interface appropriate to the relational database (See the abstract, and Page 3, line 1 through Page 4, line 12).

As per claims 8 and 15, the claims have substantially the same limitations as claim 1. These limitations have already been addressed in the rejection of claim 1. Therefore, they are rejected on similar grounds corresponding to the arguments given for the rejected claim 1 above.

As per claims 2, 9, and 16, Kaufman discloses the claimed invention limitations, wherein said schema and user interface metadata comprise entities, entity fields, entity relationships, and entity search paths (See Figs. 5 –6 and corresponding text).

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As per claims 3, 10, and 17, Kaufman discloses the claimed invention limitations, wherein said schema and user interface metadata comprise entity relationships comprising one-to-many, many-to-one, and many-to-many relationships (See Fig.6 and corresponding text).

As per claims 4, 11, and 18, wherein said automatically developed user interface comprises context menus specific to type of entity relationship, Kaufman discloses a dropdown list corresponding to context menus specific to type of entity relationship (See Page 20, line 23 through Page 21, line 18).

As per claims 5, 12, and 19, Kaufman achieves, wherein said schema and user interface metadata additionally comprises platform attributes for abstracting syntactic differences between database implementations, by providing computer languages such as JAVA and JSP that allow platform attributes for abstracting syntactic differences between database to be implemented (See Page 3, lines 19-24).

As per claims 6, 13, and 20, the software permitting addition of non-automatically generated functionality to said developed user interface selected from the group consisting of scripts, external components, business rules, and triggers are primary components of computer languages such as JAVA and JSP. These features are inherent in Kaufman.

As per claims 7, 14, and 21, Kaufman achieves the claimed invention limitations, wherein said utility software refreshes said metadata after schema changes are made to the

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relational database, by implementing his system with the Internet Explorer browser. It is customary when using the Internet Explorer to refresh a browsing page or data by selecting the refresh bottom under the view tool bar (See Figs.1-4, 7, 8, and 99A-9E)

## Other Prior Art Made of Record

7. Williamson et al. U. S. Pat. No. 5,873,093,

Evans et al. U. S. Pat. No. 6,266,675,

Heubner et al. U. S. Pat. No. 6,101,502,

Althoff et al. U. S. Pat. No. 6,374,252, and

Gertner et al. U. S. Pub. No. 2003/0135825.

### Conclusion

- 8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please see the attach Form PTO-892.
- 9. Any response to this action should be mail to:

Commissioner of Patent and Trademarks

Washington, D.C. 20231

### Or faxed to:

(703) 746-7239 (for formal communication intended for entry)

Or:

Art Unit: 2175

(703) 746-7240 (for informal of draft communications, please label

"PROPOSED" or "DRAFT")

Hand - delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington.

VA, Fourth Floor Lobby (Receptionist Telephone No. (703) 305-3900).

10. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jacques Veillard whose telephone number is (703) 305-7094. The

examiner can normally be reached Monday through Friday from 9:30 AM to 4: 30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dov Popovici, can be reached on (703) 305-3830. The fax phone number for this

group is (703) 308-5403.

CHARLES RONES
PRIMARY EXAMINER

Jacques Veillard

Jacques Veillard

Patent Examiner TC 2100

December 12, 2003

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